

Exhibit B
Category Budget

Budget Category Item	PIER Share (\$)	Match Share (\$)	Total Cost (\$)
Personnel:			
Direct Labor	\$ 43,095	\$ 8,685	\$ 51,780
Fringe Benefits	\$ 14,587	\$ 2,966	\$ 17,553
Total Personal Services	\$ 57,682	\$ 11,651	\$ 69,333
Operating Expenses:			
Travel	\$ 2,140	\$ -	\$ 2,140
Equipment	\$ -	\$ 139,900	\$ 139,900
Materials/Supplies	\$ 3,000	\$ -	\$ 3,000
Contractual	\$ 199,935	\$ 5,998	\$ 205,933
Miscellaneous	\$ 3,500	\$ -	\$ 3,500
Total Operating Expenses	\$ 208,575	\$ 145,898	\$ 354,473
Overhead:			
Overhead	\$ 83,267	\$ 22,007	\$ 105,274
Total Overhead	\$ 83,267	\$ 22,007	\$ 105,274
Total	\$ 349,524	\$ 179,556	\$ 529,080

**Exhibit B
Budget Details**

Direct Labor, Unloaded Hourly Rates

Title / Job Classification	Maximum Rate to be Billed* (\$ / Hr)	Number of Hours	PIER Share	Match Share	Total Cost
Lisa Mortenson (PI)	\$ 72.00	200	14,400	-	14,400
Chris Young, Director of Operations	\$ 72.00	400	21,600	7,200	28,800
Laboratory Technician	\$ 33.00	180	4,455	1,485	5,940
Plant Operator	\$ 33.00	80	2,640	-	2,640
Total Direct Labor			43,095	8,685	51,780

* Maximum salary rates are caps: PIER will not reimburse at a higher rate over the term of the project.

Fringe Benefits

Title / Job Classification	Maximum % Rate to be Billed*	Base (typically Total Direct Labor)	PIER Share	Match Share	Total Cost
Lisa Mortenson (PI)	26.00%	3,744	3,744	-	3,744
Chris Young, Director of Operations	26.00%	7,488	5,616	1,872	7,488
Laboratory Technician	73.67%	4,376	3,282	1,094	4,376
Plant Operator	73.67%	1,945	1,945	-	1,945
Total Fringe Benefits			14,587	2,966	17,553

* Maximum fringe benefit rates are caps: PIER will not reimburse at a higher rate over the term of the project.

Travel**

Location	Purpose	Number of Trips	People per Trip	PIER Share*	Match Share	Total Cost
Stockton, CA	Kick-off meeting	1	5	885	-	885
Stockton, CA	Critical project review meetings	2	3	370	-	370
Stockton, CA	Final meeting	1	5	885	-	885
Total Travel				2,140	-	2,140

* PIER Share: Travel is reimbursed at State rates. Higher travel costs can count as Match Share.

** Trips listed as "to be determined (TBD)" require advanced written approval from Commission Project Manager.

Equipment

Item	Quantity	Unit Cost	PIER Share	Match Share	Total Cost
Water Treatment equipment to be specified during detailed engineering	1	139,900	-	139,900	139,900
Total Equipment			-	139,900	139,900

Materials, Supplies

Item	Quantity	Unit Cost	PIER Share	Match Share	Total Cost
Sample bottles and Laboratory Chemicals needed for the operation of lab equipment for waste water composition analysis. (Such as but not limited to: 2 oz wide mouth cylinder glass jars, 1L square bottles, KF Volumetric Reagent, In-line filter trap, All-in-one gas purification system cartridge, SIMIDS Column Elite, Torch DV PE 2000/4000, Buffer PH 4...etc)	various		3,000	-	3,000
Total Materials and Supplies			3,000	-	3,000

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Contractual

Subcontractor Name	Purpose	PIER Share	Match Share	Total Cost
The Process Group	Design Engineering	4,000	-	4,000
Russell Mechanical, Inc.	Mechanical Engineering	113,935	5,998	119,933
TBD	Controls Engineering/System Integration	56,000	-	56,000
Bockmon & Woody Electric Co., Inc.	Electrical Contractor	26,000	-	26,000
Total Contractual		199,935	5,998	205,933

Miscellaneous

Item	Purpose	PIER Share	Match Share	Total Cost
Outside laboratory analyses	Analyze water samples for BOD, TSS, TDS, etc.	3,500	-	3,500
			-	-
Total Miscellaneous		3,500	-	3,500

Overhead

Name of Overhead	Overhead Base*	Maximum % Rate to be Billed**	Base Cost	PIER Share	Match Share	Total Cost
Labor overhead	Direct Labor and Fringe	115.5%	69,333	66,623	13,457	80,080
G&A	Total Cost Input: Direct labor, Fringe benefits, Labor overhead, Direct materials, Direct consultants, Direct subcontracts, Other direct costs	5.0%	503,886	16,644	8,550	25,194
Total Overhead				83,267	22,007	105,274

Exhibit B
Budget Summary by Task

Task #	Task Name	PIER Funding (\$)	Match Funding (\$)	Total (\$)
1.1	Attend Kick-off Meeting	\$2,573	\$0	\$2,573
1.2	Critical Project Review Meetings	\$3,674	\$0	\$3,674
1.3	Final Meeting	\$2,573	\$0	\$2,573
1.4	Monthly Progress Reports	\$29,561	\$0	\$29,561
1.5	Final Report	\$8,211	\$0	\$8,211
1.6	Identify & Obtain Matching Funds	\$0	\$2,053	\$2,053
1.7	Identify & Obtain Required Permits	\$0	\$2,053	\$2,053
2	Finalize Design for Water Treatment/Recycling System	\$47,717	\$6,298	\$54,015
3	Equipment Procurement	\$11,954	\$146,895	\$158,849
4	Prepare Detailed Construction Drawings for Water Treatment/Recycling System	\$46,200	\$0	\$46,200
5	Equipment Installation	\$130,810	\$0	\$130,810
6	Preparation and Implementation of Test Plan	\$56,399	\$22,257	\$78,656
7	Technology Transfer Activities	\$4,926	\$0	\$4,926
8	Production Readiness Plan	\$4,926	\$0	\$4,926
	Total	\$349,524	\$179,556	\$529,080

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Budget Summary by Task

PIER Funding (\$)		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Task 1 Project Administration Activities											
1.1	Attend Kick-off Meeting	576	150	885	0	0	0	0	839	123	\$2,573
1.2	Critical Project Review Meetings	1,152	300	370	0	0	0	0	1,677	175	\$3,674
1.3	Final Meeting	576	150	885	0	0	0	0	839	123	\$2,573
1.4	Monthly Progress Reports	10,368	2,696	0	0	0	0	0	15,089	1,408	\$29,561
1.5	Final Report	2,880	749	0	0	0	0	0	4,191	391	\$8,211
1.6	Identify and Obtain Matching Funds	0	0	0	0	0	0	0	0	0	\$0
1.7	Identify and Obtain Required Permits	0	0	0	0	0	0	0	0	0	\$0
	Administration Activities Subtotals	\$15,552	\$4,045	\$2,140	\$0	\$0	\$0	\$0	\$22,635	\$2,220	\$46,592
Tasks 2-8 Project Technical Activities											
2	Finalize Design for Water Treatment/Recycling System	5,688	1,479	0	0	0	30,000	0	8,278	2,272	\$47,717
3	Equipment Procurement	3,456	899	0	0	0	2,000	0	5,030	569	\$11,954
4	Prepare Detailed Construction Drawings for Water Treatment/Recycling System	0	0	0	0	0	44,000	0	0	2,200	\$46,200
5	Equipment Installation	2,448	636	0	0	0	117,935	0	3,562	6,229	\$130,810
6	Preparation and Implementation of Test Plan	12,495	6,630	0	0	3,000	6,000	3,500	22,090	2,684	\$56,399
7	Technology Transfer Activities	1,728	449	0	0	0	0	0	2,514	235	\$4,926
8	Production Readiness Plan	1,728	449	0	0	0	0	0	2,514	235	\$4,926
	Technical Activities Subtotals	\$27,543	\$10,542	\$0	\$0	\$3,000	\$199,935	\$3,500	\$43,988	\$14,424	\$302,932
		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
	PIER Reimbursable Totals	\$43,095	\$14,587	\$2,140	\$0	\$3,000	\$199,935	\$3,500	\$66,623	\$16,644	\$349,524
	Percent of the Total	12%	4%	1%	0%	1%	57%	1%	19%	5%	100%

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Match Funding (\$)		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Task 1 Project Administration Activities											
1.1	Attend Kick-off Meeting	0	0	0	0	0	0	0	0	0	\$0
1.2	Critical Project Review Meetings	0	0	0	0	0	0	0	0	0	\$0
1.3	Final Meeting	0	0	0	0	0	0	0	0	0	\$0
1.4	Monthly Progress Reports	0	0	0	0	0	0	0	0	0	\$0
1.5	Final Report	0	0	0	0	0	0	0	0	0	\$0
1.6	Identify & Obtain Matching Funds	720	187	0	0	0	0	0	1,048	98	\$2,053
1.7	Identify & Obtain Required Permits	720	187	0	0	0	0	0	1,048	98	\$2,053
	Administration Activities Subtotals	\$1,440	\$374	\$0	\$0	\$0	\$0	\$0	\$2,096	\$196	\$4,106
Tasks 2-8 Project Technical Activities											
2	Finalize Design for Water Treatment/Recycling System	0	0	0	0	0	5,998	0	0	300	\$6,298
3	Equipment Procurement	0	0	0	139,900	0	0	0	0	6,995	\$146,895
4	Prepare Detailed Construction Drawings for Water Treatment/Recycling System	0	0	0	0	0	0	0	0	0	\$0
5	Equipment Installation	0	0	0	0	0	0	0	0	0	\$0
6	Preparation and Implementation of Test Plan	7,245	2,592	0	0	0	0	0	11,361	1,059	\$22,257
7	Technology Transfer Activities	0	0	0	0	0	0	0	0	0	\$0
8	Production Readiness Plan	0	0	0	0	0	0	0	0	0	\$0
	Technical Activities Subtotals	\$7,245	\$2,592	\$0	\$139,900	\$0	\$5,998	\$0	\$11,361	\$8,354	\$175,450
		Direct Labor	Fringe Benefits	Travel	Equipment	Materials	Contractual	Misc	Indirect Overhead	G&A	Total
Match Funds Totals		\$8,685	\$2,966	\$0	\$139,900	\$0	\$5,998	\$0	\$13,457	\$8,550	\$179,556
Percentage of the Total		5%	2%	0%	78%	0%	3%	0%	7%	5%	100%